

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

APPLICATION BRANCH

FRANCISCUS THEODORUS CORNELIS GEERTS

Serial No.: To Be Assigned

Filed: Herewith

For: A VEHICLE FOR DETERMINING THE CLIMATE

**PRELIMINARY AMENDMENT**

To the Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

Sir:

This Preliminary Amendment is for the above-identified Application which is being filed under 35 U.S.C. §111(a) as a continuation of co-pending International Application No. PCT/NL00/00309, filed May 10, 2000, International Publication No. WO 00/70942 A1, published November 30, 2000. Priority based thereon of May 10, 2000 is claimed and is further claimed for May 25, 1999 based on Dutch Patent Application No. 1012138.

IN THE SPECIFICATION:

A Substitute Specification is submitted herewith. It is requested that the Substitute Specification be substituted for the Specification of International Application No. PCT/NL00/00309, also submitted herewith as the Specification for the instant Application. No new matter has been added to the Substitute Specification. However, the Substitute Specification is amended by the insertion of:

--RELATED APPLICATION:

This Application is a continuation of International Application No. PCT/NL00/00309, filed May 10, 2000.--

which is, it is submitted, an appropriate amendment. A marked-up copy of the Specification of the invention is also submitted herewith for comparison purposes.

IN THE CLAIMS:

On page 4, immediately following the heading "CLAIMS", please insert: --Having disclosed my invention, what I claim as new and to be secured by Letters Patent of the United States of America is:--.

Please cancel all claims except Claims 1 and 2.

Please add the following claims:

Claim 19. An unmanned vehicle for measuring the meteorological conditions within a stable which comprises at least two sensors selected from the following group of sensors which consist of a temperature sensor, an air velocity sensor, a gas sensor, an ammonia sensor, a light sensor, an air pressure sensor, and an air humidity sensor.

Claim 20. A vehicle in accordance with Claim 19, wherein said one of said sensors is a gas sensor which senses ammonia.

Claim 21. A vehicle in accordance with claim 19, wherein said light sensor determines the intensity of light.

Claim 22. A vehicle in accordance with Claim 19, wherein one of said sensors is an air pressure sensor.

Claim 23. A vehicle in accordance with claim 19, wherein at least one of said sensors is an air humidity sensor.

Claim 24. A vehicle in accordance with Claim 19, wherein said two sensors comprise an air pressure sensor and an air humidity sensor.

Claim 25. A vehicle in accordance with Claim 19, wherein at least two of said sensors are disposed at different levels on a carrier which is part of the vehicle.

Claim 26. A vehicle in accordance with Claim 19, wherein said two sensors are disposed on a carrier which is part of the vehicle and at least one of said two sensors is adjustable in height relative to the vehicle.

Claim 27. A vehicle in accordance with Claim 19, comprising a data processing unit that stores data from at least two of said sensors.

Claim 28. A vehicle in accordance with Claim 19, which comprises a processing unit for processing data from at least two of said sensors.

Claim 29. A vehicle in accordance with Claim 19, which comprises a control unit for processing data from at least two of said sensors.

Claim 30. A vehicle in accordance with Claim 19, which comprises a memory for registering data from at least two of said sensors.

Claim 31. A vehicle in accordance with Claim 19, which comprises alarm means that provides an alarm signal when the climate in said stable is threatening to become uncontrollable.

Claim 32. A vehicle in accordance with Claim 19, which comprises alarm means for providing an alarm signal when the climate in said stable has become uncontrollable.

Claim 33. A vehicle in accordance with Claim 19, comprising a transmitter unit, said transmitter unit transmitting data from at least two of said sensors to a registration unit.

Claim 34. A vehicle in accordance with Claim 19, which comprises a transmitter unit that transmits control signals derived from the data of at least two of said sensors to a registration unit.

Claim 35. A vehicle in accordance with Claim 19, which comprises a transmitter unit that transmits data from at least two of said sensors to a control unit.

Claim 36. A vehicle in accordance with Claim 19, which comprises a transmitter unit that transmits signals derived from data from at least two of said sensors to a control unit.

Claim 37. A vehicle in accordance with Claim 19, which comprises navigation means for guiding the vehicle through said stable.

Claim 38. A vehicle in accordance with Claim 19, which comprises an animal identification system.

Claim 39. A vehicle in accordance with Claim 19, which comprises a camera.

Claim 40. A vehicle in accordance with Claim 19, which comprises a radar.

Claim 41. A vehicle in accordance with Claim 19, which comprises an animal identification system and a radar.

Claim 42. A vehicle in accordance with Claim 19, which comprises a data management system, at least two of said sensors collecting data which are stored in said data management system.

Claim 43. A vehicle in accordance with Claim 19, which comprises feed modification means.

Claim 44. A vehicle in accordance with Claim 43, wherein said feed modification means modifies the quantity of feed supplied to animals in said stable when the climate in said stable changes.

Claim 45. A vehicle in accordance with Claim 43, wherein said feed modification means modifies the composition of feed supplied to animals in said stable when the climate in said stable changes.

Claim 46. A vehicle in accordance with Claim 44, wherein said feed modification means increases the quantity of feed which is supplied to animals in said stable when the temperature in said stable falls below approximately 4°C.

Claim 47. An unmanned vehicle for measuring the meteorological conditions within a stable which comprises a temperature sensor, an air velocity sensor, and an air humidity sensor, said sensors being mounted on a carrier which is part of the vehicle, and means for adjusting the height of at least one of said sensors relative to the remaining parts of the vehicle.

IN THE ABSTRACT:

In lieu of the Abstract which appears under the title and drawing of the invention on the cover page of the Application submitted herewith, please substitute the Abstract of the Disclosure appended hereto.

REMARKS

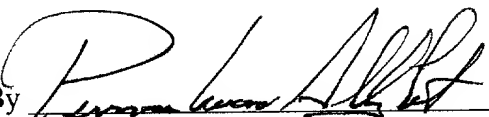
The purpose of this Preliminary Amendment is: (1) To provide a Substitute Specification and an Abstract which are in formats customary for U.S. patent applications and which are also expressed in less stilted and more readable idiomatic English; (2) To amend the claims of this Application to eliminate multiple-dependent claims therefrom; (3) To establish a filing fee; and (4) To amend the claims so that they are more nearly in formats customary for U.S. patent applications. It is to be understood, nevertheless, the claims originally set forth remain part of the original disclosure of the Application.

As amended, the Application has thirty (30) claims, three (3) of which claims are independent claims. Accordingly, a filing fee of \$445.00 appears to be required and our check to

cover same is submitted herewith. If this is in error, the Commissioner of Patents and Trademarks is authorized to debit or credit our Account No. 13-2000 as appropriate.

Respectfully submitted,

MASON, MASON & ALBRIGHT

By   
Penrose Lucas Albright  
Registration No. 19,082

06429260

2306 South Eads Street  
P.O. Box 2246  
Arlington, VA 22202  
TEL (703) 979-3242  
FAX (703) 979-2526  
**Filed: January 24, 2001**